

WHAT IS CLAIMED IS:

- 1 1. A system for collecting diagnostic information and
2 transmitting the diagnostic information to a remote location, the system comprising:
3 a member contoured to at least a portion of a person's hand, the
4 member comprising at least an EKG diagnostic device, the diagnostic device
5 comprising at least eight EKG sensors; and
6 an interface unit in electrical communication with the member,
7 wherein the interface unit is capable of transmitting information to a remote
8 location.
- 1 2. The system of claim 1 wherein the member comprises a palm
2 portion, a wrist portion and a plurality of phalange portions.
- 1 3. The system of claim 2 wherein the EKG sensors are located
2 on the member on at least two of the palm portion, the wrist portion, and at least
3 one of the phalange portions.
- 1 4. The system of claim 3 wherein the EKG sensors are located
2 on the member on the palm portion, the wrist portion and at least one of the
3 phalange portions.
- 1 5. The system of claim 2 wherein the EKG diagnostic device
2 comprises at least 10 sensors.
- 1 6. The system of claim 5 wherein eight of the sensors are located
2 on the member and extend in a first direction away from the member, and the other
3 two sensors are located on the member and extend in a second direction away from
4 the member.
- 1 7. The system of claim 5 wherein the EKG diagnostic device
2 comprises 11 sensors.

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1 8. The system of claim 7 wherein the EKG diagnostic device
2 comprises nine sensors located on the palm portion of the member extending away
3 from the palm portion in a first direction and two sensors located on the palm
4 portion of the member extending away from the palm portion in a second direction.

1 9. The system of claim 2 wherein the plurality of phalange
2 portions comprise an index finger phalange portion and a middle finger phalange
3 portion, wherein the index finger phalange portion is at least as long as about the
4 middle finger phalange portion of the member.

1 10. The system of claim 9 wherein the index finger phalange
2 portion is longer than the middle finger phalange portion of the member.

1 11. The system of claim 2 wherein the plurality of phalange
2 portions comprise an index finger phalange portion and a middle finger phalange
3 portion, at least four of the EKG sensors are located on the index finger phalange
4 portion of the member.

1 12. The system of claim 9 wherein at least five of the EKG
2 sensors are located on the index finger phalange portion of the member.

1 13. The system of claim 2 wherein the plurality of phalange
2 portions comprise a thumb portion, with at least one of the EKG sensors being
3 located on the thumb portion of the member.

1 14. The system of claim 2 wherein the plurality of phalange
2 portions comprise a pinky finger portion, with at least one of the EKG sensors being
3 located on the pinky finger portion of the member.

1 15. The system of claim 2 wherein at least one of the EKG
2 sensors is located on a palmer surface of the palm portion of the member.

1 16. The system of claim 15 wherein at least one of the EKG
2 sensors is located on a dorsal surface of the palm portion of the member.

1 17. The system of claim 15 wherein at least one of the EKG
2 sensors is located on an interior surface of the wrist portion of the member.

1 18. The system of claim 1 wherein the member has a shape that
2 corresponds to at least a substantial portion of a person's hand such that the member
3 is capable of being worn on a person's hand.

1 19. The system of claim 18 wherein the member has a portion
2 shaped to contour to a person's palm.

1 20. The system of claim 18 wherein the member has a portion
2 shaped to contour to a person's finger.

1 21. The system of claim 20 wherein the member has a portion
2 shaped to contour to a person's palm.

1 22. The system of claim 18 wherein the member comprises a palm
2 portion.

1 23. The system of claim 22 wherein the member further
2 comprises at least two phalange portions.

1 24. The system of claim 23 wherein the member comprises a
2 glove.

1 25. The system of claim 18 wherein the member comprises a
2 plurality of diagnostic devices.

1 26. The system of claim 25 wherein the plurality of diagnostic
2 devices includes the EKG diagnostic device, a blood pressure and pulse diagnostic
3 device and a temperature device.

1 27. The system of claim 26 wherein the plurality of diagnostic
2 devices further includes a percent O₂ diagnostic device.

1 28. The system of claim 27 wherein the plurality of diagnostic
2 devices further includes an auscultation device.

1 29. The system of claim 25 wherein the plurality of diagnostic
2 devices comprises the EKG diagnostic device, a blood pressure and pulse rate
3 device, a temperature device, a percent O₂ device, and an auscultation device.

1 30. The system of claim 1 wherein the EKG diagnostic device
2 comprises at least 10 sensors.

1 31. The system of claim 1 wherein the EKG diagnostic device
2 comprises 11 sensors.

1 32. The system of claim 18 wherein the EKG diagnostic device
2 comprises at least 10 sensors.

1 33. A system for collecting diagnostic information and
2 transmitting the diagnostic information to a remote location, the system comprising:
3 a member comprising an EKG diagnostic device, the EKG diagnostic
4 device comprising at least eight EKG sensors located on the member; and
5 an interface unit in electrical communication with the member, the
6 interface unit capable of transmitting information to a remote location.

1 34. The system of claim 33 wherein the member comprises a
2 palmer surface portion and a dorsal surface portion, the palmer surface portion
3 having a first side and a second side.

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1 35. The system of claim 34 wherein the eight sensors are located
2 on the palmer surface portion.

1 36. The system of claim 35 wherein six of the eight sensors
2 extend away from the dorsal surface portion and two of the eight sensors extend
3 toward the dorsal surface portion.

1 37. The system of claim 34 wherein the EKG diagnostic device
2 comprises 10 sensors.

1 38. The system of claim 37 wherein eight of the ten sensors
2 extend away from the dorsal surface portion and two of the eight sensors extend
3 toward the dorsal surface portion.

1 39. The system of claim 37 wherein the member comprises a
2 glove.

1 40. The system of claim 39 wherein the EKG diagnostic device
2 comprises 11 sensors.

1 41. The system of claim 40 wherein the member comprises a palm
2 portion, a wrist portion and a plurality of phalange portions.

1 42. The system of claim 41 wherein the member has a shape that
2 corresponds to at least a substantial portion of a person's hand such that the member
3 is capable of being worn on a person's hand.

1 43. The system of claim 42 wherein the plurality of phalange
2 portions comprise an index finger phalange portion and a middle finger phalange
3 portion, wherein the index finger phalange portion is at least as long as about the
4 middle finger phalange portion of the member.

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1 44. The system of claim 43 wherein the index finger phalange
2 portion is longer than the middle finger phalange portion of the member.

1 45. The system of claim 44 wherein at least five of the EKG
2 sensors are located on the index finger phalange portion of the member.

1 46. The system of claim 45 wherein the member comprises a
2 glove.

1 47. A system for collecting diagnostic information and
2 transmitting the diagnostic information to a remote location, the system comprising:
3 a member contoured to at least a portion of a person's hand, the
4 member comprising at least eight sensors; and
5 an interface unit in electrical communication with the member,
6 wherein the interface unit is capable of transmitting information to a remote
7 location.

1 48. A diagnostic probe comprising:
2 a member comprising an EKG diagnostic device, the EKG diagnostic
3 device comprising at least eight EKG sensors located on the member.

1 49. The probe of claim 48 wherein the member is contoured to
2 at least a portion of a person's hand.

1 50. The probe of claim 49 wherein the EKG diagnostic device
2 comprises at least 10 sensors.

1 51. The probe of claim 50 wherein eight of the sensors are located
2 on the member and extend in a first direction away from the member, and the other
3 two sensors are located on the member and extend in a second direction away from
4 the member.

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1 52. The probe of claim 49 wherein the EKG diagnostic device
2 comprises 11 sensors.

1 53. The probe of claim 52 wherein the EKG diagnostic device
2 comprises nine sensors located on the palm portion of the member extending away
3 from the palm portion in a first direction and two sensors located on the palm
4 portion of the member extending away from the palm portion in a second direction.

1 54. The probe of claim 52 wherein the plurality of phalange
2 portions comprise an index finger phalange portion and a middle finger phalange
3 portion, wherein the index finger phalange portion is at least as long as about the
4 middle finger phalange portion of the member.

1 55. The probe of claim 54 wherein the index finger phalange
2 portion is longer than the middle finger phalange portion of the member.

1 56. The probe of claim 50 wherein the plurality of phalange
2 portions comprise an index finger phalange portion and a middle finger phalange
3 portion, at least four of the EKG sensors are located on the index finger phalange
4 portion of the member.

1 57. The probe of claim 54 wherein at least five of the EKG
2 sensors are located on the index finger phalange portion of the member.

1 58. The probe of claim 50 wherein the plurality of phalange
2 portions comprise a thumb portion, with at least one of the EKG sensors being
3 located on the thumb portion of the member.

1 59. The probe of claim 50 wherein the plurality of phalange
2 portions comprise a pinky finger portion, with at least one of the EKG sensors being
3 located on the pinky finger portion of the member.

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1 60. The probe of claim 50 wherein at least one of the EKG
2 sensors is located on a palmer surface of the palm portion of the member.

1 61. The probe of claim 60 wherein at least one of the EKG
2 sensors is located on a dorsal surface of the palm portion of the member.

1 62. The probe of claim 60 wherein at least one of the EKG
2 sensors is located on an interior surface of the wrist portion of the member.

1 63. The probe of claim 50 wherein the member has a shape that
2 corresponds to at least a substantial portion of a person's hand such that the member
3 is capable of being worn on a person's hand.

1 64. The probe of claim 63 wherein the member comprises a
2 glove.

1 65. The probe of claim 49 wherein the member comprises a
2 plurality of diagnostic devices.

1 66. The probe of claim 65 wherein the plurality of diagnostic
2 devices includes the EKG diagnostic device, a blood pressure and pulse diagnostic
3 device and a temperature device.

1 67. The probe of claim 66 wherein the plurality of diagnostic
2 devices further includes a percent O₂ diagnostic device.

1 68. The probe of claim 67 wherein the plurality of diagnostic
2 devices further includes an auscultation device.

1 69. The system of claim 65 wherein the plurality of diagnostic
2 devices comprises the EKG diagnostic device, a blood pressure and pulse rate
3 device, a temperature device, a percent O₂ device, and an auscultation device.

1 70. A method of obtaining and transmitting medical diagnostic
2 information from a remote location, the method comprising:
3 providing a member comprising at least an EKG diagnostic device,
4 the diagnostic device comprising at least eight EKG sensors;
5 using the member to collect medical diagnostic information from a
6 first person at a remote location.

1 71. The method of claim 70 wherein the diagnostic information
2 is transmitted from the first location to a second location.

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